

General As-Built and Construction Certification

for

Stormwater BMP Dry Ponds, Wet Ponds, Constructed Wetlands, and Pocket Wetlands

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|-------------------|--|
| BMP Facility Name | |
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Note: This certification statement must be executed by a registered professional engineer with experience in the design and construction or operation of stormwater BMPs of a nature similar in scope to that certified to in this certification. Periodic observations of construction and a final assessment for design compliance by the certifying registered professional engineer will be required to complete this certification.

CERTIFICATION STATEMENT

Based upon (1) my assessment of the constructed facility, (2) my review of the as-built survey data, (3) my review of the drainage area treated or managed by the facility, and (4) my analysis of the hydraulic performance of the constructed facility, I hereby certify that the (A) hydrologic and hydraulic, (B) geometric, (C) public safety, (D) facility access, (E) drainage area¹, and (F) vegetative elements of the constructed facility are in compliance with the requirements of the facility as proscribed in the approved Construction Drawings, approved design documents, and/or any approved modifications, except as noted in red on the 'As-Built' drawings. Furthermore, I certify that the red-noted exceptions do not adversely affect the required performance or public safety aspects of the facility.

Note 1: The drainage area treated by the facility must, at a minimum, be the area proposed for treatment in the approved construction drawings. In addition, a minimum of 85% of the drainage area to the facility must be adequately stabilized, and any remaining disturbed areas in the drainage area must have sufficient alternate controls in place to mitigate against the deposition of sediment in the facility.

The following supporting documents are included with the hard copy and PDF of this certification:

1. One (1) copy of the approved Construction Drawings for the facility (PDF).
2. One (1) copy of the as-built drawings for the facility (PDF).
3. One (1) copy of the survey plot, including all spot shots, of the facility (PDF).
4. One (1) copy of the drainage area map that delineates the drainage area to the facility as presented in the Construction Drawing design documents (PDF).
5. One (1) copy of the revised drainage area map that delineates the drainage area to the facility based on as-built conditions (PDF).
6. One (1) copy of the summary sheet for the facility as presented in the Construction Drawing design documents (PDF).
7. One (1) copy of the revised summary sheet for the facility based on as-built conditions (PDF). The summary should be signed and sealed by an NCPE.
8. An original completed copy of the signed and sealed General Certification Assessment Checklist required by the City (PDF).
9. Color digital photographs of the completed facility (i.e., of the dam, emergency spillway, riser, outfall structure, outfall area, impoundment area, access way, etc.).
10. One (1) copy of the landscape company's letter certifying the installation of the specific plants required at the facility (PDF).
11. One (1) copy of an Operations and Maintenance Manual for the facility.
12. One (1) copy of an original signed and sealed cost accounting for the construction of the facility. (Note: If the cost accounting results in an amount 10% or greater than the original construction estimate, an additional payment into the City Repair Fund will be required prior to as-built certification approval.)
13. An original signed and sealed Geotechnical Certification (Original Hard Copy and PDF).

Name: _____ Date: _____

BCE #: _____ NCPE Seal:

Geotechnical Certification

for

Stormwater BMP Dry Ponds, Wet Ponds, Constructed Wetlands, and Pocket Wetlands

| | |
|-------------------|--|
| BMP Facility Name | |
| Dam Class | |

Note: This certification statement must be executed by a registered professional engineer with experience in the design and construction of small earth dams of a nature similar in scope to that certified to in this certification. For Class A, B, and C dams, with the exception of Class C dams that serve a detention only function and that drain an area less than 25-ac, this certification must be executed by a geotechnical engineer. Periodic observations of construction and a final assessment for design compliance by the certifying registered professional engineer will be required to complete this certification.

CERTIFICATION STATEMENT

Based upon my observation and monitoring of the construction of the dam embankment for this facility, I hereby certify that the constructed facility is in compliance with the geotechnical requirements of the facility as proscribed in the approved Construction Drawings, approved design documents, and any approved modifications.

The following supporting documents are included with the hard copy and PDF of this certification:

1. Copies of all dam embankment material composition and density testing paperwork, including a map that labels all points where the dam and dam foundation areas were tested (PDF).
2. Copies of all concrete compressive strength testing paperwork for any cast-in-place concrete items associated with the construction of the dam or outlet works (PDF).
3. One (1) copy of the purchase receipt for the pipe used as the principal spillway pipe (PDF). The purchase receipt should identify the ASTM specifications governing the manufacture of the pipe.
4. One (1) copy of the manufacturer's certification that any armoring (i.e., North American Green, Pyramat, etc.), other than concrete, used to armor the emergency spillway was completed in accordance with the manufacturer's published specifications.
5. Colored digital photographs showing the dam foundation areas, the riser, the principal spillway pipe, the concrete cradle, the seepage diaphragm, relief drains, etc., as those items were being prepared and/or installed.
6. One (1) copy of the Geotechnical Engineer's resume if a Geotechnical Engineer is required to provide the certification (PDF).

Name: _____ Date: _____

NCPE Seal: